

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(944238) Hex(BF4033) Hex(947038) Hex(4A4242) Hex(8A0F00) Hex(0A0000)

|             | Hex(944238)                         | Hex(BF4033)                         | Hex(947038)                                             | Hex(4A4242)                        | Hex(8A0F00)                        | Hex(0A0000)                                             |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(944238) |                                     | Ratio: 1.29<br>Failed <sup>5</sup>  | Ratio: 1.50<br>Failed <sup>5</sup>                      | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 3.06<br>AA 18pt <sup>2</sup>                     |
| Hex(BF4033) | Ratio: 1.29<br>Failed <sup>5</sup>  |                                     | Ratio: 1.16<br>Failed <sup>5</sup>                      | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 3.95<br>AA 18pt <sup>2</sup>                     |
| Hex(947038) | Ratio: 1.50<br>Failed <sup>5</sup>  | Ratio: 1.16<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.16<br>Failed <sup>5</sup> | Ratio: 2.16<br>Failed <sup>5</sup> | Ratio: 4.57<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4A4242) | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 1.86<br>Failed <sup>5</sup>  | Ratio: 2.16<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 2.12<br>Failed <sup>5</sup>                      |
| Hex(8A0F00) | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 1.86<br>Failed <sup>5</sup>  | Ratio: 2.16<br>Failed <sup>5</sup>                      | Ratio: 1.00<br>Failed <sup>5</sup> |                                    | Ratio: 2.12<br>Failed <sup>5</sup>                      |
| Hex(0A0000) | Ratio: 3.06<br>AA 18pt <sup>2</sup> | Ratio: 3.95<br>AA 18pt <sup>2</sup> | Ratio: 4.57<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.12<br>Failed <sup>5</sup> | Ratio: 2.12<br>Failed <sup>5</sup> |                                                         |

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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